



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

L. Track of His Majesty's armed Brig Lion from England to Davis's Streights and Labrador, &c. determining the Longitude by Sun and Moon and Error of Common Reckoning; also the Variation and Dip of the Needle, as observed during the said Voyage in 1776. By Lieutenant Richard Mather, Commander of the said Vessel; communicated by Nevil Maskelyne, D. D. F. R. S. and Astronomer Royal.

N. B. The day is set down according to the log-book.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reck.	As read off quadrants		Distance observed.	Azimuths.	Variations.	N ^o of obs.	Errors of quadrant.	Winds.	
							☉'s alt.	☽'s alt.							
June 10	h m s	N	W	W	°	'	°	'	°	'	°	'	°	'	
	20 0 8	49 20	6 26	6 36	61	0 10	36 32 40	42 55 40	61 16 30	- -	- -	3	☽ alt. + 1 D - 1	S	ci
	Noon.	49 23 A	7 5	7 15	61	0 10	- -	- -	- -	- -	- -	-	- -	S	iza
11	Noon.	49 20 A	8 36	9 3	63	0 27	- -	- -	- -	- -	- -	-	- -	NW	qu
12	7 P.M.	49 12	9 25	9 52	-	- -	6 48 20	- -	- -	37 46	24 21	3	- -	NW	A
	D ^o nearly.	49 12	9 26	9 53	-	- -	4 25 0	- -	- -	34 37	24 39	6	- -	- -	
	Noon.	48 3 A	10 9	10 58	62	0 49	- -	- -	- -	- -	- -	-	- -	NW	Unc
13	Noon.	46 55 A	11 0	12 14	61	1 14	- -	- -	- -	- -	- -	-	- -	WSW	Mu
14	Noon.	47 8 *	11 22	12 37	61	1 15	- -	- -	- -	- -	- -	-	- -	WSW	Stre
15	Noon.	47 59 *	12 12	13 43	60	1 31	- -	- -	- -	- -	- -	-	- -	SW	Mo
16	Noon.	48 22 *	13 36	15 33	62	1 57	- -	- -	- -	- -	- -	-	- -	WNW	Mo
17	Noon.	49 13 *	14 21	16 29	61	2 8	- -	- -	- -	- -	- -	-	- -	SW	Litt
	7 P.M.	49 33	14 20	16 28	-	- -	15 50 0	- -	- -	48 30	- -	3	- -	- -	The
18	7 P.M.	49 33	14 20	16 28	-	- -	15 35 0	- -	- -	55 40	- -	3	- -	NE	A fi
	Noon.	50 11 *	15 59	18 33	60	2 34	- -	- -	- -	- -	- -	-	- -	- -	
19	Noon.	50 45 *	16 50	19 37	62	2 47	- -	- -	- -	- -	- -	-	- -	SE	Fin
20	Noon.	52 2 A	19 5	22 31	59	3 26	- -	- -	- -	- -	- -	-	- -	SW	Haz
21	7 31 0	52 30	18 42	22 27	-	3 45	5 31 50	32 6 50	54 1 50	- -	- -	6	D - 2 50	- -	{ C
		52 30	19 10	22 27	-	3 17	4 13 0	30 10 10	54 1 30	- -	- -	6	D - 1 0	- -	{
	Noon.	53 21 *	19 16	22 50	57	3 34	- -	- -	- -	- -	- -	-	- -	NW	Cor
22	3 38 24	53 27	19 45	22 55	-	3 10	39 20 40	46 37 40	63 50 55	- -	- -	6	- -	- -	{ T
	2 53 40	53 27	19 37	22 55	-	3 18	45 35 6	43 53 26	63 35 26	- -	- -	9	- -	- -	{
	Noon.	53 45 A	18 16	22 8	58	3 42	- -	- -	- -	- -	- -	-	- -	WNW	Stre
23	Noon.	54 53 A	16 53	21 8	59	4 5	- -	- -	- -	- -	- -	-	- -	WNW	{ S
24	Noon.	55 36 *	14 30	19 47	61	5 17	- -	- -	- -	- -	- -	-	- -	NW	
25	4 6 20	55 25	13 54	19 50	-	5 56	34 55 10	26 47 0	96 50 0	- -	- -	6	D + 8 30	- -	{ F
	4 14 8	55 25	14 6	19 50	-	5 44	33 50 30	27 27 0	96 53 25	- -	- -	6	D + 8 30	- -	{ F
	4 35 32	55 25	13 58	19 50	-	5 52	30 52 10	29 8 30	97 0 55	- -	- -	6	D + 8 30	- -	{ F
	Noon.	56 18 *	14 25	20 8	59	5 43	- -	- -	- -	- -	- -	-	- -	WNW	Fin
26	Noon.	57 18 *	14 40	20 10	58	5 30	- -	- -	- -	- -	- -	-	- -	NNW	Mo
27	5 33 56	57 15	15 32	20 26	-	4 54	22 47 20	17 44 20	119 56 5	- -	- -	6	D + 1 30 D - 1 0	E	{ A v
	Noon.	57 4 *	16 31	21 7	58	4 36	- -	- -	- -	- -	- -	-	- -	NW	{ F
28	Noon.	56 38 *	17 44	22 20	61	4 36	- -	- -	- -	- -	- -	-	- -	N	{ C
29	3 P.M.	- -	- -	- -	-	- -	- -	- -	- -	- -	- -	-	- -	- -	

Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of com- mon reck.	As read off qua- drants				Distance observed.	Azi- muths.	Vari- ations.	N ^o of obs.	Errors of quadrant.	Winds.	Remarks, &c.
° ' "	° ' "	° ' "	° ' "	O's alt.		D's alt.		° ' "	° ' "	° ' "				
W	W			L.L.	L.L.				NW	W		D alt. + 1 D - 1		
6 26	6 36	61	0 10	36 32 40	42 55 40	61 16 30	- - -	- - -	- - -	- - -	3	- - -	S	cily ifles about North of us.
7 5	7 15	61	0 10	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	S	izard East of us.
8 36	9 3	63	0 27	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	NW	qually with rain; a great swell
9 25	9 52	-	- -	6 48 20	- - -	- - -	- - -	37 46	24 21	3	- - -	- - -	NW	} An unsteady sea, though the compass flood pretty well.
9 26	9 53	-	- -	4 25 0	- - -	- - -	- - -	34 37	24 39	6	- - -	- - -	- -	
10 9	10 58	62	0 49	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	NW	Under courfes.
11 0	12 14	61	1 14	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	WSW	Much rain, &c.
11 22	12 37	61	1 15	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	WSW	Strong gales with rain.
12 12	13 43	60	1 31	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	SW	More moderate.
13 36	15 33	62	1 57	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	WNW	Moderate and clear; a great swell
14 21	16 29	61	2 8	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	SW	Little winds and clear weather.
14 20	16 28	-	- -	15 50 0	- - -	- - -	- - -	48 30	- - -	3	- - -	- - -	- -	These I have not worked.
14 20	16 28	-	- -	15 35 0	- - -	- - -	- - -	55 40	- - -	3	- - -	- - -	NE	A fine pleasant day.
15 59	18 33	60	2 34	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- -	- -
16 50	19 37	62	2 47	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	SE	Fine weather.
19 5	22 31	59	3 26	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	SW	Hazy at times.
				L.L.										
18 42	22 27	-	3 45	5 31 50	32 6 50	54 1 50	- - -	- - -	- - -	6	D - 2 50	- - -	- -	} Considering the height of the Sun these not bad ones; air clear.
19 10	22 27	-	3 17	4 13 0	30 10 10	54 1 30	- - -	- - -	- - -	6	D - 1 0	- - -	- -	
19 16	22 50	57	3 34	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	NW	Coming on to blow hard.
				L.L.										
19 45	22 55	-	3 10	39 20 40	46 37 40	63 50 55	- - -	- - -	- - -	6	- - -	- - -	- -	} The log between these and the last agrees pretty well.
19 37	22 55	-	3 18	45 35 6	43 53 26	63 35 26	- - -	- - -	- - -	9	- - -	- - -	- -	
18 16	22 8	58	3 42	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	WNW	Strong gales.
16 53	21 8	59	4 5	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	WNW	} Strong gales, vessel drifts very fast to the Eastward.
14 30	19 47	61	5 17	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	NW	
				U.L.										
13 54	19 50	-	5 56	34 55 10	26 47 0	96 50 0	- - -	- - -	- - -	6	D + 8 30	- - -	- -	Dip. Face E. mark up, 76 30 } Face W. ditto, 75 0 } Face W. mark down, 74 0 } Face E. ditto, 74 30 }
14 6	19 50	-	5 44	33 50 30	27 27 0	96 53 25	- - -	- - -	- - -	6	D + 8 30	- - -	- -	
13 58	19 50	-	5 52	30 52 10	29 8 30	97 0 55								

11	Noon.	49 12	9 25	9 52	-	-	-	6 48 20	-	-	-	-	37 46	24 21	3	-	-	NW	A
12	7 P.M.	49 12	9 25	9 52	-	-	-	6 48 20	-	-	-	-	37 46	24 21	3	-	-	NW	Unc
	D ^o nearly.	49 12	9 26	9 53	-	-	-	4 25 0	-	-	-	-	34 37	24 39	6	-	-	-	
	Noon.	48 3 A	10 9	10 58	62	0	49	-	-	-	-	-	-	-	-	-	-	NW	Unc
13	Noon.	46 55 A	11 0	12 14	61	1	14	-	-	-	-	-	-	-	-	-	-	WSW	Mu
14	Noon.	47 8 *	11 22	12 37	61	1	15	-	-	-	-	-	-	-	-	-	-	WSW	Stro
15	Noon.	47 59 *	12 12	13 43	60	1	31	-	-	-	-	-	-	-	-	-	-	SW	Mo
16	Noon.	48 22 *	13 36	15 33	62	1	57	-	-	-	-	-	-	-	-	-	-	WNW	Mo
17	Noon.	49 13 *	14 21	16 29	61	2	8	-	-	-	-	-	-	-	-	-	-	SW	Litt
	7 P.M.	49 33	14 20	16 28	-	-	-	15 50 0	-	-	-	-	48 30	-	3	-	-	-	The
18	7 P.M.	49 33	14 20	16 28	-	-	-	15 35 0	-	-	-	-	55 40	-	3	-	-	NE	A fi
	Noon.	50 11 *	15 59	18 33	60	2	34	-	-	-	-	-	-	-	-	-	-	-	
19	Noon.	50 45 *	16 50	19 37	62	2	47	-	-	-	-	-	-	-	-	-	-	SE	Fin
20	Noon.	52 2 A	19 5	22 31	59	3	26	-	-	-	-	-	-	-	-	-	-	SW	Haz
								L.L.											
21	7 31 0	52 30	18 42	22 27	-	3	45	5 31 50	32 6 50	54 1 50	-	-	-	-	6	D - 2 50	-	-	C
		52 30	19 10	22 27	-	3	17	4 13 0	30 10 10	54 1 30	-	-	-	-	6	D - 1 0	-	-	
	Noon.	53 21 *	19 16	22 50	57	3	34	-	-	-	-	-	-	-	-	-	-	NW	Cor
								L.L.											
22	3 38 24	53 27	19 45	22 55	-	3	10	39 20 40	46 37 40	63 50 55	-	-	-	-	6	-	-	-	T
	2 53 40	53 27	19 37	22 55	-	3	18	45 35 6	43 53 26	63 35 26	-	-	-	-	9	-	-	-	
	Noon.	53 45 A	18 16	22 8	58	3	42	-	-	-	-	-	-	-	-	-	-	WNW	Stro
23	Noon.	54 53 A	16 53	21 8	59	4	5	-	-	-	-	-	-	-	-	-	-	WNW	S
24	Noon.	55 36 *	14 30	19 47	61	5	17	-	-	-	-	-	-	-	-	-	-	NW	
								U.L.											
25	4 6 20	55 25	13 54	19 50	-	5	56	34 55 10	26 47 0	96 50 0	-	-	-	-	6	D + 8 30	-	-	F
	4 14 8	55 25	14 6	19 50	-	5	44	33 50 30	27 27 0	96 53 25	-	-	-	-	6	D + 8 30	-	-	F
	4 35 32	55 25	13 58	19 50	-	5	52	30 52 10	29 8 30	97 0 55	-	-	-	-	6	D + 8 30	-	-	F
	Noon.	56 18 *	14 25	20 8	59	5	43	-	-	-	-	-	-	-	-	-	-	WNW	Fin
26	Noon.	57 18 *	14 40	20 10	58	5	30	-	-	-	-	-	-	-	-	-	-	NNW	Mo
								U.L.											
27	5 33 56	57 15	15 32	20 26	-	4	54	22 47 20	17 44 20	119 56 5	-	-	-	-	6	D + 1 30	-	-	E
	Noon.	57 4 *	16 31	21 7	58	4	36	-	-	-	-	-	-	-	-	-	-	NW	A v
28	Noon.	56 38 *	17 44	22 20	61	4	36	-	-	-	-	-	-	-	-	-	-	N	F
29	3 P.M.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Noon.	57 0	18 2	22 38	58	4	36	-	-	-	-	-	-	-	-	-	-	SW	Swe
30	Noon.	57 52 A	21 32	26 8	58	4	36	-	-	-	-	-	-	-	-	-	-	SE	Car
uly 1	Noon.	58 25 *	25 31	30 2	54	4	31	-	-	-	-	-	-	-	-	-	-	SSW	S.W
2	P.M.	58 25	26 10	30 41	-	-	-	24 40 0	-	-	-	-	53 33	32 5	3	-	-	-	
	Noon.	58 20 *	29 35	34 6	54	4	31	-	-	-	-	-	-	-	-	-	-	SW	
3	P.M.	58 0	0 29	35 0	-	-	-	16 34 40	-	-	-	-	38 40	34 42	3	-	-	-	
	P.M.	58 0	30 29	35 0	-	-	-	15 35 30	-	-	-	-	36 30	35 16	6	-	-	-	
	P.M.	58 0	30 29	35 0	-	-	-	14 46 40	-	-	-	-	34 49	35 41	6	-	-	-	
	Noon.	58 3	30 56	35 27	57	4	31	-	-	-	-	-	-	-	-	-	-	NE	C
4	Noon.	58 38	34 24	30 55	48	4	31	-	-	-	-	-	-	-	-	-	-	NE	
5	Noon.	59 12	37 28	41 59	50	4	31	-	-	-	-	-	-	-	-	-	-	NE	
6	Noon.	59 11	41 16	45 47	48	4	31	-	-	-	-	-	-	-	-	-	-	ENE	The
7	4 0 0	59 24	2 5	46 36	-	4	31	-	-	-	-	-	-	-	-	-	-	-	S

9 25	9 52	-	-	6 48 20	-	-	-	-	37 46	24 21	3	-	-	NW	} An unfteady fea, though the compafs flood pretty well.
9 26	9 53	-	-	4 25 0	-	-	-	-	34 37	24 39	6	-	-	-	
10 9	10 58	62	0 49	-	-	-	-	-	-	-	-	-	-	NW	Under courfes.
11 0	12 14	61	1 14	-	-	-	-	-	-	-	-	-	-	WSW	Much rain, &c.
11 22	12 37	61	1 15	-	-	-	-	-	-	-	-	-	-	WSW	Strong gales with rain.
12 12	13 43	60	1 31	-	-	-	-	-	-	-	-	-	-	SW	More moderate.
13 36	15 33	62	1 57	-	-	-	-	-	-	-	-	-	-	WNW	Moderate and clear; a great fwell
14 21	16 29	61	2 8	-	-	-	-	-	-	-	-	-	-	SW	Little winds and clear weather.
14 20	16 28	-	-	15 50 0	-	-	-	-	48 30	-	3	-	-	-	Thefe I have not worked.
14 20	16 28	-	-	15 35 0	-	-	-	-	55 40	-	3	-	-	NE	A fine pleafant day.
15 59	18 33	60	2 34	-	-	-	-	-	-	-	-	-	-	-	
16 50	19 37	62	2 47	-	-	-	-	-	-	-	-	-	-	SE	Fine weather.
19 5	22 31	59	3 26	-	-	-	-	-	-	-	-	-	-	SW	Hazy at times.
18 42	22 27	-	3 45	5 31 50	32 6 50	54 1 50	-	-	-	-	6	D - 2 50	-	-	} Confidering the height of the Sun thefe not bad ones; air clear.
19 10	22 27	-	3 17	4 13 0	30 10 10	54 1 30	-	-	-	-	6	D - 1 0	-	-	
19 16	22 50	57	3 34	-	-	-	-	-	-	-	-	-	-	NW	Coming on to blow hard.
19 45	22 55	-	3 10	39 20 40	46 37 40	63 50 55	-	-	-	-	6	-	-	-	} The log between thefe and the laft agrees pretty well.
19 37	22 55	-	3 18	45 35 6	43 53 26	63 35 26	-	-	-	-	9	-	-	-	
18 16	22 8	58	3 42	-	-	-	-	-	-	-	-	-	-	WNW	Strong gales.
16 53	21 8	59	4 5	-	-	-	-	-	-	-	-	-	-	WNW	} Strong gales, vefel drifts very faft to the Eaftward.
14 30	19 47	61	5 17	-	-	-	-	-	-	-	-	-	-	NW	
13 54	19 50	-	5 56	34 55 10	26 47 0	96 50 0	-	-	-	-	6	D + 8 30	-	-	Dip. } Face E. mark up, 76 30 Face W. ditto, 75 0 Face W. markdown, 74 0 Face E. ditto, 74 30
14 6	19 50	-	5 44	33 50 30	27 27 0	96 53 25	-	-	-	-	6	D + 8 30	-	-	
13 58	19 50	-	5 52	30 52 10	29 8 30	97 0 55	-	-	-	-	6	D + 8 30	-	-	
14 25	20 8	59	5 43	-	-	-	-	-	-	-	-	-	-	WNW	
14 40	20 10	58	5 30	-	-	-	-	-	-	-	-	-	-	NNW	Moderate weather.
15 32	20 26	-	4 54	22 47 20	17 44 20	119 56 5	-	-	-	-	6	D + 1 30 D - 1 0	E	A very good fet.	
16 31	21 7	58	4 36	-	-	-	-	-	-	-	-	-	-	NW	} Foggy weather, like the banks of Newfoundland, water fmooth.
17 44	22 20	61	4 36	-	-	-	-	-	-	-	-	-	-	N	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	} Calm; tried foundings, and got ground at 320 fathoms; drifted to the N.E. about two miles, and founded again in 290 fathoms, fine white fand: at the fame time faw a flag, gulls, and other figns of land not far from hence. By running about 19 miles NE by N. left found ng, fo bore away, calling it the Lion's Bank.
18 2	22 38	58	4 36	-	-	-	-	-	-	-	-	-	-	SW	
21 32	26 8	58	4 36	-	-	-	-	-	-	-	-	-	-	SE	Carried away the fore-yard.
25 31	30 2	54	4 31	-	-	-	-	-	-	-	-	-	-	SSW	S.W. swell, loft all our birds.
26 10	30 41	-	-	24 40 0	-	-	-	-	53 33	32 5	3	-	-	-	
29 35	34 6	54	4 31	-	-	-	-	-	-	-	-	-	-	SW	
0 29	35 0	-	-	16 34 40	-	-	-	-	38 40	34 42	3	-	-	-	} Very good obfervations and the veffel steady, when made.
30 29	35 0	-	-	15 35 30	-	-	-	-	36 30	35 16	6	-	-	-	
30 29	35 0	-	-	14 46 40	-	-	-	-	34 49	35 41	6	-	-	-	
30 56	35 27	57	4 31	-	-	-	-	-	-	-	-	-	-	NE	Cape Farewell's lat. 59° 38' N. long. by obl. 42° 42' W.
34 24	30 55	48	4 31	-	-	-	-	-	-	-	-	-	-	NE	
37 28	41 59	50	4 31	-	-	-	-	-	-	-	-	-	-	NE	
41 16	45 47	48	4 31	-	-	-	-	-	-	-	-	-	-	ENE	The Eaftermoft part of it.
2 5	46 36	-	4 31	-	-	-	-	-	-	-	-	-	-	-	} Saw Cape Farewell bearing N by W. by compafs, diftance about 7 or 8 leagues.

A Continuation of the Track of His Majesty's armed Brig Lion, from Cape Farewell along the Coast of Greenland, for the Determination of the Position of the Coast, as likewise the Dip, &c.

Days of the Month	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade	Error of common reckoning	Log time as read off quadrants		Distance observed.	Azimuths.	Variations.	N° of obs.	Error of quad.	Winds.
							0's alt.	3's alt.						
		N					L.L.	U.L.		NW				
July 8	18 52 22	59 46	0 46 47½	48 47	-	2 0 30	24 19 0	36 52 0	76 11 30					
							24 36 30	36 53 0	76 11 0				None.	N
							24 42 0	36 53 0	76 10 0					
							24 32 30	36 52 40	76 10 50					
	Noon.	59 44	0 46 42	49 10	40	2 28 0	-	-	-	-	-	-	-	SE
	6 0 0	59 53	0 46 19	48 47	-	-	23 37 0	-	-	44 30				
							23 31 0	-	-	44 0	41 38		None.	-
							23 25 0	-	-	44 0				
							23 32 0	-	-	44 10				
9	Noon.	60 1	0 46 13	49 40	38	3 27 0	-	-	-	-	-	-	-	N
10	Noon.	60 12	0 47 18	51 21	38	4 3 0	-	-	-	-	-	-	-	NNW
11	Noon.	60 30	0 47 38	51 41	36	4 3 0	-	-	-	-	-	-	-	Variab.
12	6 0 0	-	-	-	-	-	21 42 0	-	-	44 0				
							21 39 0	-	-	44 0	39 0		None.	-
							21 34 0	-	-	45 0				
							21 38 0	-	-	44 15				
12	6 30 0	60 40	0 47 45	-	-	-	17 53 0	-	-	39 0				
							17 48 0	-	-	39 0	38 20		None.	-
							17 44 0	-	-	38 30				
							17 48 0	-	-	38 50				
							20 0 0	-	-	SE 58 0				
							20 11 0	-	-	58 0	41 0		None.	-
							20 20 0	-	-	57 30				
							20 10 0	-	-	57 50				
	20 0 0	61 4	0 48 0	-	-	-	20 32 0	-	-	57 40				
							20 40 0	-	-	57 40	40 52		None.	-
							20 45 0	-	-	56 10				
							20 39 0	-	-	57 10				
	Noon.	61 28	0 48 9	52 12	40	4 2	-	-	-	-	-	-	-	E
							15 28 0	-	-	53 0				
							15 33 0	-	-	54 0	48 58		None.	-
							15 39 0	-	-	54 0				
							15 33 0	-	-	53 40				
							18 4 0	-	-	52 0				
							18 11 0	-	-	52 30	49 46		None.	-
							18 15 0	-	-	52 30				
13	19 0 0	62 4	0 48 0	-	-	-	18 10 0	-	-	52 20				
							23 37 0	-	-	46 0				
							23 42 0	-	-	46 0	45 22		None.	-
							23 47 0	-	-	46 30				
							23 42 0	-	-	46 10				

the Track of His Majesty's armed Brig Lion, from Cape Farewell along the West Coast of
for the Determination of the Position of the Coast, as likewise the Dip, Variation, &c.

Long. by last observ.	Long. by ship's reck.	Therm. in the shade	Error of common reckoning	Log time as read off quadrants		Distance observed.	Azi- muths.	Varia- tions.	N° of obs.	Error of quad.	Winds.	Remarks, &c.
				○'s alt.	☉'s alt.							
				L.L.	U.L.		NW					
6 47 1/2	48 47	-	2 0 30	24 19 0	36 52 0	76 11 30				None.	N	Very good observation; water smooth; amongst a field of ice. Land from NE to SE, distance off 8 or 10 leagues, making in deep bays.
				24 36 30	36 53 0	76 11 0						
				24 42 0	36 53 0	76 10 0						
				24 32 30	36 52 40	76 10 50						
6 42	49 10	40	2 28 0	-	-	-	-	-	-	-	SE	Clear weather; fast in the ice.
6 19	48 47	-	-	23 37 0	-	-	44 30					Water smooth; land at NE to SW 5 leagues. Dip, Face E mark end down, 75 50 Face W ditto, 77 0 Poles changed, Face W ditto up, 76 15 Face E ditto, 76 30
				23 31 0	-	-	44 0	41 38		None.	-	
				23 25 0	-	-	44 0					
				23 32 0	-	-	44 10					
6 13	49 40	38	3 27 0	-	-	-	-	-	-	-	N	Hazy, no land in sight.
7 18	51 21	38	4 3 0	-	-	-	-	-	-	-	NNW	
7 38	51 41	36	4 3 0	-	-	-	-	-	-	-	Variab.	
				21 42 0	-	-	44 0					
				21 39 0	-	-	44 0	39 0		None.	-	Cape Desolation E 4 leagues, soundings at 146 fathoms.
				21 34 0	-	-	45 0					
				21 38 0	-	-	44 15					Very good.
7 45	-	-	-	17 53 0	-	-	39 0					
				17 48 0	-	-	39 0	38 20		None.	-	
				17 44 0	-	-	38 30					
				17 48 0	-	-	38 50					These observations were made close to one of the ice glances, which I did not find had any effect on the compass as some have imagined. Had very irregular soundings from 80 to 105 fathoms about 4 leagues of the land, which is high and ragged, being mostly covered with snow and ice.
				20 0 0	-	-	58 0					
				20 11 0	-	-	58 0	41 0		None.	-	
				20 20 0	-	-	57 30					
				20 10 0	-	-	57 50					
				20 32 0	-	-	57 40					
				20 40 0	-	-	57 40	40 52		None.	-	
				20 45 0	-	-	56 10					
				20 39 0	-	-	57 10					Land from SSE to NE.
9 52 12	40	4 2	-	15 28 0	-	-	53 0				E	
				15 33 0	-	-	54 0	48 58		None.	-	
				15 39 0	-	-	54 0					
				15 33 0	-	-	53 40					
				18 4 0	-	-	52 0					Tried the dipping needle, the mean of the four sights gave 81 10.
				18 11 0	-	-	52 30	49 46		None.	-	
				18 15 0	-	-	52 30					
				18 10 0	-	-	52 20					
				23 37 0	-	-	46 0					About 5 leagues off shore, the land high, and the founds filled with frozen snow, even to the tops of the hills.
				23 42 0	-	-	46 0	45 22		None.	-	
				23 47 0	-	-	46 30					
				23 42 0	-	-	46 10					

12	6 30	060 40	047 45	-	-	-	-	-	-	17 53 0	-	-	-	-	39 0	38 20	-	None.	-	-
										17 48 0					39 0					
										17 44 0					38 30					
										17 48 0					38 50					
										20 0 0					SE 58 0					
										20 11 0					58 0	41 0	-	None.	-	-
										20 20 0					57 30					
										20 10 0					57 50					
	20 0 0	61 4 0	48 0	-	-	-	-	-	-	20 32 0	-	-	-	-	57 40					
										20 40 0					57 40	40 52	-	None.	-	-
										20 45 0					56 10					
										20 39 0					57 10					
	Noon.	61 28	048 9	52 12	40	4	2	-	-	-	-	-	-	-	-	-	-	-	-	E
										15 28 0					53 0					
										15 33 0					54 0	48 58	-	None.	-	-
										15 39 0					54 0					
										15 33 0					53 40					
										18 4 0					52 0					
										18 11 0					52 30	49 46	-	None.	-	-
										18 15 0	-	-	-	-	52 30					
13	19 0 0	62 4 0	48 0	-	-	-	-	-	-	18 10 0					52 20					
										23 37 0					46 0					
										23 42 0					46 0	45 22	-	None.	-	-
										23 47 0					46 30					
										23 42 0					46 10					
	Noon.	62 11	048 0	52 3	39	4	2	-	-	-	-	-	-	-	-	-	-	-	-	Calm.
										25 2 0					NW 42 0					
										25 0 0					43 0	46 54	-	None.	-	-
										24 58 0					43 0					
										25 0 0					42 40					
14	7 0 0	62 12	048 15	-	-	-	-	-	-	17 56 0	-	-	-	-	28 40					
										17 46 0					27 40	48 17	-	None.	-	-
										17 40 0					28 30					
										17 47 0					28 3					
	Noon.	62 50	049 0	53 3	40	4	2	-	-	-	-	-	-	-	-	-	-	-	-	N
15	Noon.	63 14	049 53	53 56	41	4	2	-	-	-	-	-	-	-	-	-	-	-	-	SW
16	Noon.	64 38	051 26	55 32	42	4	6	-	-	-	-	-	-	-	-	-	-	-	-	SW
17	Noon.	64 57	052 56½	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
										Double being reflected hor.					Nearest L.					
										68 48 0					68 1 0					
										68 18 0					68 3 0					
										68 0 0					68 4 0					
										67 40 0					68 5 0					
										67 18 0					68 6 15					
										67 10 0					68 6 0					
21	3 25 15	64 55 13	52 53½	-	-	61	-	-	-	67 52 20	-	-	-	-	68 4 12					

A further

Days of the Month.	Time.	Lat. <small>dec.</small>	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reckoning	Log time as read off quadrants		Distance observed.	Azi- muths.	Vari- ations.	No. of obs.	Error of quad.	Winds.
							☉'s alt.	☽'s alt.						
		N			61 in the day, & 54 in the night		L.L. <small>reflected hor.</small>	U.L.		NW				
July 21	3 43 4	64 55 13	53 0	-	-	-	65 35 0	-	68 11 0				None.	-
							65 15 0	-	68 12 0					
							65 1 0	-	68 12 30					
							64 30 0	-	68 13 0					
							64 20 0	-	68 13 30					
							64 8 0	-						
							64 48 25	-	68 12 20					
21	4 0 0	64 55 13	52 56 1/2	-	-	61	62 49 0	-	-	60 0	50 48	-	None.	-
21	4 0 0	64 55 13	52 56 1/2	-	-	61	66 2 30	-	-	66 2 1/2	50 24	-	None.	-
27	Noon.	64 49 0	54 25 1/2	58 31	43	4 6	-	-	-	-	-	-	-	N
28	Noon.	64 40 0	55 29	59 35	39	4 6	-	-	-	-	-	-	-	NNW
29	Noon.	65 14 0	58 10	62 16	37	4 6	-	-	-	-	-	-	-	ENE
30	Noon.	65 38 0	59 30	63 36	44	4 6	-	-	-	-	-	-	-	-
Aug. 1							15 50 0	-	-	SE				
							16 2 0	-	-	45 0				
							16 29 0	-	-	43 40				
							16 7 0	-	-	43 0	54 0	-	-	-
								-	-	43 50				
	31	Noon.	65 49 0	59 8	63 14	29 1/2	4 6	-	-	-	-	-	-	-
	1	Noon.	65 46 0	58 19	62 25	40	4 6	-	-	-	-	-	-	-
	2	Noon.	65 36 0	58 19	62 25	42	4 6	-	-	-	-	-	-	-
	3	Noon.	66 53 0	58 8	62 14	40	4 6	-	-	-	-	-	-	S
	4	Noon.	67 43 0	58 50	62 56	36	4 6	-	-	-	-	-	-	-
5	Noon.	68 10 0	56 46	60 52	38	4 6	-	-	-	-	-	-	-	
6	Noon.	67 32 0	58 41	62 47	40	4 6	-	-	-	-	-	-	-	
7	Noon.	67 20 0	50 17	60 23	42	4 0	-	-	-	-	-	-	-	
8	Noon.	67 10 0	55 11	59 17	41	4 6	-	-	-	-	-	-	-	
9	Noon.	66 40 0	55 1	59 7	43	4 6	-	-	-	-	-	-	-	
10	Noon.	66 40 0	57 15	61 21	40	4 6	-	-	-	-	-	-	-	
11							15 20 0	-	-	NW				
							15 17 0	-	-	39 0				
							15 12 0	-	-	37 0				
							15 5 0	-	-	39 0				
							15 1 0	-	-	38 30				
							14 57 0	-	-	39 0	not worked.	-	-	-
								-	-	40 0				
							15 10 30	-	-	38 45				
								-	-					
11	Noon.	66 30 0	56 31	60 37	46	4 6	12 4 0	-	-	23 30				
12							11 47 0	-	-	24 30				
							11 37 0	-	-	22 30				
							11 26 0	-	-	22 20				
							11 19 0	-	-	21 0				
							11 14 0	-	-	21 30				
	7 30 0	66 26 0	56 15	-	-	-		-	-	56 54	-	None.	-	-
								-	-					

Long. by ship's reck.	Therm. in the shade.	Error of common reckoning	Log time as read off quadrants		Distance observed.	Azimuths.	Variations.	No of obs.	Error of quad.	Winds.	Remarks, &c.
			O's alt.	D's alt.							
0	61	-	L.L. reflected hor. 65 35 0 65 15 0 65 1 0 64 30 0 64 20 0 64 8 0 64 48 25	U.L. 68 11 0 68 12 0 68 12 0 68 12 30 68 13 0 68 13 30 68 12 20	NW			None.	-	By these observations I deduce this Cove to lay in latitude 64 55 13 N. and longitude 52 56 30 W. Variation 50 56 0 W. Dip of the needle 81 22 30 Flow of the tide, spring, 14 f. neap, 9 f. High water full and change at 10h. 15' A. M. Dip, Face E mark end down, 82 30 Face W ditto, 81 15 Poles changed, Face W ditto, 80 30 Face E. — — — 80 15	
56 1/2	61	-	62 49 0	-	-	60 0	50 48	-	None.	-	
56 1/2	61	-	66 2 30	-	-	66 2 1/2	50 24	-	None.	-	
25 1/2	58 31	43	4 6	-	-	-	-	-	-	N	
29	59 35	39	4 6	-	-	-	-	-	-	NNW	No soundings, clear weather.
10	62 16	37	4 6	-	-	-	-	-	-	ENE	Little or no ice, and steady weather. Close to a very extensive field of ice, and an appearance of land at the back; the dip of the needle as underneath: Mark end up, face E. 86 0 — — — face W. 85 40 Poles changed, face W. 85 50 — — — face W. 85 30
30	63 36	44	4 6	-	-	-	-	-	-	-	
10	-	-	15 50 0 16 2 0 16 29 0 16 7 0	-	-	45 0 43 40 43 0 43 50	54 0	-	-	-	
8	63 14	29 1/2	4 6	-	-	-	-	-	-	-	Sailing along the field of ice to the N. E. rigging froze
19	62 25	40	4 6	-	-	-	-	-	-	-	Lost sight of the ice.
19	62 25	42	4 6	-	-	-	-	-	-	-	Saw another large field of ice to the Eastward.
8	62 14	40	4 6	-	-	-	-	-	-	S	These four days sometimes thick fog, and others clear weather, a heavy swell from the South.
50	62 56	36	4 6	-	-	-	-	-	-	-	At 12 this night was in latitude 63 14, and nearly the same longitude as at noon.
46	60 52	38	4 6	-	-	-	-	-	-	-	Vast quantity of very large ice islands, and a great sea, with thick weather.
41	62 47	40	4 6	-	-	-	-	-	-	-	Fresh gales, thick weather, and ice islands.
17	60 23	42	4 0	-	-	-	-	-	-	-	From West land bearing N. E. 1/2 E. 2 leagues, a great swell, and little wind.
11	59 17	41	4 6	-	-	-	-	-	-	-	Light airs all this day; the land appearing high, and in many places covered with snow.
1	59 7	43	4 6	-	-	-	-	-	-	-	Little winds from the S. W. about four leagues from the land soundings from 60 to 25 fathoms, sandy ground.
15	61 21	40	4 6	-	-	-	-	-	-	-	Standing in and out to get to the southward, wind S. W. blows strong.
48	-	-	15 20 0 15 17 0 15 12 0 15 5 0 15 1 0 14 57 0 15 10 30	-	-	39 0 37 0 39 0 38 30 39 0 40 0 38 45	not worked.	-	-	-	When these observations were taken Mount Cunningham bore SSE, distance about six leagues, depth of water 65 fathoms, sandy ground.
31	60 37	46	4 6	-	-	-	-	-	-	-	Land from SE to ENE. seven leagues off no soundings.
15	-	-	12 4 0 11 47 0 11 37 0 11 26 0 11 19 0 11 14 0	-	-	23 30 24 30 22 30 22 20 21 0 21 30	56 54	-	None.	-	When these observations were taken there was little ice in sight, the weather

* 6 R

A Track

A Track of His Majesty's armed Brig Lion, from Davis's Straits to the Coast of L

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reck.	As read off quadrants		Distance observed.	Azimuths.	Variations.	N ^o of obl.	Errors of quadrant.	Winds.	
							☉'s alt.	☽'s alt.							
							L. L.	U. L.							
Aug. 19	Noon.	64 43	053 25	58 31	41	4 6	- -	- -	- -	- -	- -	-	- -	- -	{ Th in
							33 12	016 33	060 0 30						
							33 5	016 39	060 1 30						
							33 0	016 42	060 2 0						
							32 57	016 45	060 4 0						
							32 54	016 47	060 4 0						
							32 50	016 51	060 5 0						
19	2 16	064 34	052 30	- -	- -	- -	32 49 40	016 42 50	060 2 50						
							32 42	016 59	060 5 30				None.	- -	{ Th a re I sh
							32 36	017 3	060 6 0						
							32 31	017 7	060 7 0						
							32 27	017 10	060 8 0						
19	2 22	064 34	052 50	- -	- -	- -	32 22	017 12	060 9 0						
							32 20	017 14	060 10 0						
							32 29 40	017 7 30	060 7 35						
20	Noon.	64 33	054 35	58 41	-	4 6	- -	- -	- -	- -	- -	-	- -	- -	{ A u h Th b a q b
21	Noon.	63 56	054 15	58 21	36	4 6	- -	- -	- -	- -	- -	-	- -	- -	{ By th h b a th th
							5 30	010 40	084 9 0						
							5 19	010 38	084 11 0						
							5 6	010 36	084 11 0						
							4 54	010 32	084 12 0						
							4 42	010 25	084 11 0						
							4 28	010 23	084 13 0						
							4 59 50	010 32 20	84 11 10						
22	Noon.	62 19	053 4	58 3	44	4 59	- -	- -	- -	- -	- -	-	- -	- -	{ Hi 2 w Mode
23	Noon.	60 58	053 14	58 13	-	4 59	- -	- -	- -	- -	- -	-	- -	- -	
24	Noon.	60 2	052 28	57 27	46	4 59	- -	- -	- -	- -	- -	-	- -	- -	ESE Ditto
25	Noon.	58 4	052 46	57 45	52	4 59	- -	- -	- -	- -	- -	-	- -	- -	E Fresh
26	Noon.	56 17	053 38	58 27	54	4 59	- -	- -	- -	- -	- -	-	- -	- -	NE Fresh
27	Noon.	54 54	054 10	59 9	56	4 59	- -	- -	- -	- -	- -	-	- -	- -	NE Cloud
28	Noon.	53 4	053 15	58 14	56	4 59	- -	- -	- -	- -	- -	-	- -	- -	Saw t
29	Noon.	53 7	052 6	57 5	60	4 59	- -	- -	- -	- -	- -	-	- -	- -	WNW Much
30	Noon.	53 33	053 9	58 8	60	4 59	- -	- -	- -	- -	- -	-	- -	- -	SW Much
31	Noon.	53 25	053 58	58 57	-	4 59	- -	- -	- -	- -	- -	-	- -	- -	{ Ro le A 5 6

We anchored in Porcupine Harbour, where we staid until the 26th of September, and from to England; which being a common rout, I shall conclude with a few general observations on the world, so little known and so terribly represented by people who, in order to raise their own gers and difficulties of common occurrences; merely because the places are unknown, and the probability of their ever being contradicted. I do not mean this as a personal reflexion; but with many of the masters of Greenland vessels, as well as their employers, and heard such of these countries. I cannot help considering it as a circumstance equally foolish and ridiculous.

of His Majesty's armed Brig Lion, from Davis's Straits to the Coast of Labradore.

Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of com- mon reck.	As read off qua- drants		Distance observed.	Azi- muths.	Varia- tions.	N of obl.	Errors of quadrant.	Winds.	Remarks, &c.
				O's alt.								
				L.L.	U.L.							
53 25	58 31	41	4 6	-	-	-	-	-	-	-	-	{ The land near Balls River in sight, making in Islands.
				33 12	16 33	0 60	0 30					
				33 5	16 39	0 60	1 30					
				33 0	16 42	0 60	2 0					
				32 57	16 45	0 60	4 0					
				32 54	16 47	0 60	4 0					
				32 50	16 51	0 60	5 0					
				32 49 40	16 42 50	60	2 50					
				32 42	16 59	0 60	5 30			None.	-	{ These observations are very good ones, yet as they give too little, and disagree with the rest, I did not pay much regard to them, nor alter the track, as I cannot answer for the working of them.
				32 36	17 3	0 60	6 0					
				32 31	17 7	0 60	7 0					
				32 27	17 10	0 60	8 0					
				32 22	17 12	0 60	9 0					
				32 20	17 14	0 60	10 0					
				32 29 40	17 7 30	60	7 35					
54 35	58 41	-	4 6	-	-	-	-	-	-	-	-	{ A very heavy gale of wind, which obliged us to throw overboard the guns we had on deck.
				-	-	-	-	-	-	-	-	
54 15	58 21	36	4 6	-	-	-	-	-	-	-	-	{ This night, for the first time (the gale being over and fine weather), saw the aurora borealis, which began in the SE. quarter, but was neither so strong nor so beautiful as in the southern hemisphere.
				-	-	-	-	-	-	-	-	
				5 30	10 40	0 84	9 0					{ By the observations on the 19th, I find the error of the common reckoning to have increased 55 miles, and by these to have increased 50 miles; therefore shall alter the track to the observations, as I think them a sufficient confirmation of the truth.
				5 19	10 38	0 84	11 0					
				5 6	10 36	0 84	11 0					
				4 54	10 32	0 84	12 0					
				4 42	10 25	0 84	11 0					
				4 28	10 23	0 84	13 0					
				4 59 50	10 32 20	84	11 10					
53 4	58 3	44	4 59	-	-	-	-	-	-	-	-	{ High land Ebs distance 12 leagues, which was the last we saw.
				-	-	-	-	-	-	-	-	
53 14	58 13	-	4 59	-	-	-	-	-	-	-	-	Moderate breezes, and no ice to be seen.
				-	-	-	-	-	-	-	-	
52 28	57 27	46	4 59	-	-	-	-	-	-	-	ESE	Ditto, with mists.
				-	-	-	-	-	-	-	E	
52 46	57 45	52	4 59	-	-	-	-	-	-	-	E	Fresh gales.
53 38	58 27	54	4 59	-	-	-	-	-	-	-	NE	Fresh gales.
54 10	59 9	56	4 59	-	-	-	-	-	-	-	NE	Cloudy weather.
53 15	58 14	56	4 59	-	-	-	-	-	-	-	-	Saw the first ice Islands on the Labradore.
52 6	57 5	60	4 59	-	-	-	-	-	-	-	WNW	Much ice.
53 9	58 8	60	4 59	-	-	-	-	-	-	-	SW	Much ice.
				-	-	-	-	-	-	-	-	{ Round Hill Island, bore NW. six or seven leagues, which being the eastern part of America, I make it to be in latitude 53 32 N. longitude 54 29 W. of Greenwich.
				-	-	-	-	-	-	-	-	
53 58	58 57	-	4 59	-	-	-	-	-	-	-	-	

Porcupine Harbour, where we staid until the 26th of September, and from thence proceeded being a common rout, I shall conclude with a few general observations on this part of the town and so terribly represented by people who, in order to raise their own merit, make dan- of common occurrences; merely because the places are unknown, and there is little or no ever being contradicted. I do not mean this as a personal reflexion; but having discoursed masters of Greenland vessels, as well as their employers, and heard such dreadful stories of cannot help remarking it as a circumstance equally foolish and ridiculous to believe that

[illegible]